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RAW SEQUENCE LISTING

DATE: 12/06/2001

PATENT APPLICATION: US/09/903,876

TIME: 10:59:12

Input Set : A:\37174-9.ST25.txt

Output Set: N:\CRF3\12062001\I903876.raw

ENTERED

3 <110> APPLICANT: Xu, Zhang-Bao
 4 Somers, William
 5 Akopian, Tatos
 6 Hsiao, Chu-Lai
 7 Unwalla, Rayomond
 9 <120> TITLE OF INVENTION: CRYSTAL STRUCTURE OF ESTROGEN RECEPTOR-B COMPLEX
 10 AND USES THEREOF
 12 <130> FILE REFERENCE: 37174/9
 14 <140> CURRENT APPLICATION NUMBER: US 09/903,876
 16 <141> CURRENT FILING DATE: 2001-07-11
 18 <150> PRIOR APPLICATION NUMBER: US 60/217,834
 20 <151> PRIOR FILING DATE: 2000-07-12
 22 <160> NUMBER OF SEQ ID NOS: 2
 24 <170> SOFTWARE: PatentIn version 3.0
 27 <210> SEQ ID NO: 1
 29 <211> LENGTH: 243
 31 <212> TYPE: PRT
 33 <213> ORGANISM: Homo sapiens
 35 <400> SEQUENCE: 1
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 38 1 5 10 15
 40 Glu Pro Pro Ile Leu Tyr Ser Glu Tyr Asp Pro Thr Arg Pro Phe Ser
 41 20 25 30
 43 Glu Ala Ser Met Met Gly Leu Leu Thr Asn Leu Ala Asp Arg Glu Leu
 44 35 40 45
 46 Val His Met Ile Asn Trp Ala Lys Arg Val Pro Gly Phe Val Asp Leu
 47 50 55 60
 49 Thr Leu His Asp Gln Val His Leu Leu Glu Cys Ala Trp Leu Glu Ile
 50 65 70 75 80
 52 Leu Met Ile Gly Leu Val Trp Arg Ser Met Glu His Pro Val Lys Leu
 53 85 90 95
 55 Leu Phe Ala Pro Asn Leu Leu Leu Asp Arg Asn Gln Gly Lys Cys Val
 56 100 105 110
 58 Glu Gly Met Val Glu Ile Phe Asp Met Leu Leu Ala Thr Ser Ser Arg
 59 115 120 125
 61 Phe Arg Met Met Asn Leu Gln Gly Glu Glu Phe Val Cys Leu Lys Ser
 62 130 135 140
 64 Ile Ile Leu Leu Asn Ser Gly Val Tyr Thr Phe Leu Ser Ser Thr Leu
 65 145 150 155 160
 67 Lys Ser Leu Glu Glu Lys Asp His Ile His Arg Val Leu Asp Lys Ile
 68 165 170 175
 70 Thr Asp Thr Leu Ile His Leu Met Ala Lys Ala Gly Leu Thr Leu Gln
 71 180 185 190
 73 Gln Gln His Gln Arg Leu Ala Gln Leu Leu Leu Ile Leu Ser His Ile
 74 195 200 205
 76 Arg His Met Ser Asn Lys Gly Met Glu His Leu Tyr Ser Met Lys Cys
 77 210 215 220

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80 225                230                235                240
82 His Arg Leu
85 <210> SEQ ID NO: 2
87 <211> LENGTH: 239
89 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
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96 1          5          10          15
98 Glu Pro Pro His Val Leu Ile Ser Arg Pro Ser Ala Pro Phe Thr Glu
99          20          25          30
101 Ala Ser Met Met Met Ser Leu Thr Lys Leu Ala Asp Lys Glu Leu Val
102          35          40          45
104 His Met Ile Ser Trp Ala Lys Lys Ile Pro Gly Phe Val Glu Leu Ser
105          50          55          60
107 Leu Phe Asp Gln Val Arg Leu Leu Glu Ser Cys Trp Met Glu Val Leu
108 65          70          75          80
110 Met Met Gly Leu Met Trp Arg Ser Ile Asp His Pro Gly Lys Leu Ile
111          85          90          95
113 Phe Ala Pro Asp Leu Val Leu Asp Arg Asp Glu Gly Lys Cys Val Glu
114          100         105         110
116 Gly Ile Leu Glu Ile Phe Asp Met Leu Leu Ala Thr Thr Ser Arg Phe
117          115         120         125
119 Arg Glu Leu Lys Leu Gln His Lys Glu Tyr Leu Cys Val Lys Ala Met
120          130         135         140
122 Ile Leu Leu Asn Ser Ser Met Tyr Pro Leu Val Thr Ala Gln Asp Ala
123 145          150         155         160
125 Asp Ser Ser Arg Lys Leu Ala His Leu Leu Asn Ala Val Thr Asp Ala
126          165         170         175
128 Leu Val Trp Val Ile Ala Lys Ser Gly Ile Ser Ser Gln Gln Gln Ser
129          180         185         190
131 Met Arg Leu Ala Asn Leu Leu Met Leu Ser His Val Arg His Ala Ser
132          195         200         205
134 Asn Lys Lys Gly Met Glu His Leu Leu Asn Met Lys Cys Lys Asn Val Val
135          210         215         220
137 Pro Val Tyr Asp Leu Leu Leu Glu Met Leu Asn Ala His Val Leu
138 225          230          235

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VERIFICATION SUMMARY

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